

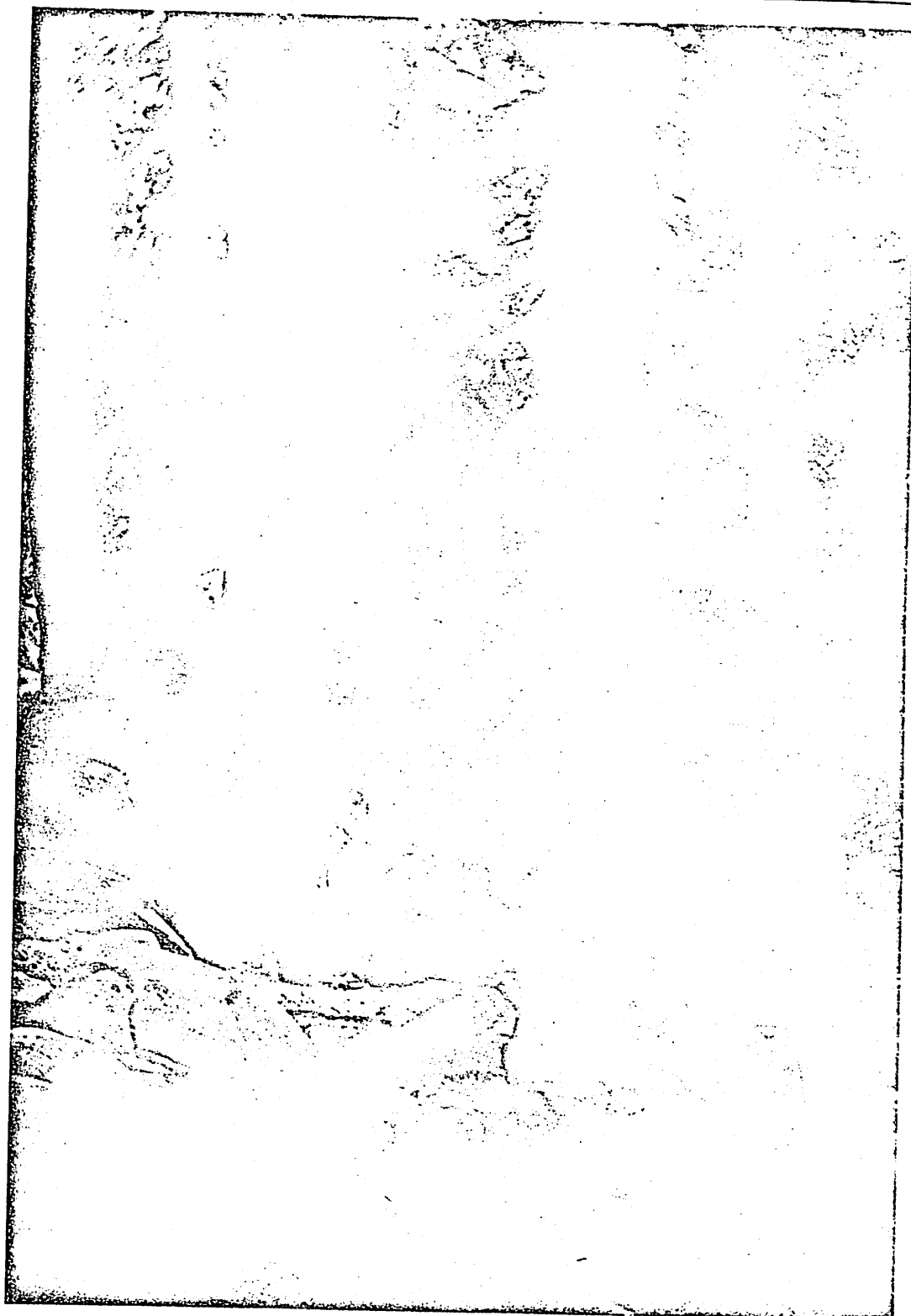
# TRAILS MAGAZINE

VOL. 2: No. 1

1941 AUTUMN

15 CENTS





*Sheep Spring Camp, northwest slope of Mt. Pacifico. (Page 8)* —Will H. Thrall



## Trails Magazine

VOL. 2 : No. 1

1941 AUTUMN

Published Quarterly by the

### SOUTHERN CALIFORNIA OUTDOOR FEDERATION

108 W 6th St., Room 921

TUCKER 3669

Los Angeles, California

A non-profit federation of individuals and outdoor organizations of Southern California whose purpose is to stimulate interest and understanding of the problems of the mountain and desert areas, and to coordinate in relation thereto by common unselfish effort the best conservation and recreational values for the welfare of an inevitably increasing population.

Dues—Annual: \$1 Individual, \$2 Organization, \$5 Contributing; Life: \$25.

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#### STAFF OF TRAILS MAGAZINE

Acting Editor E. C. BOWER

Contributing Editor WILL H. THRALL  
400 S. Garfield Av., Alhambra AT 10557

Artist WILL G. NORRIS  
2510 Ridgeview Av., Los Angeles AL 4622

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### OUR COVER PICTURE

"Fire in Rubio Canyon, 1935 October"—Dept. of L.A. Co. Forester and Fire Warden. This fire started in Rubio Canyon, swept west across the foothills to Arroyo Seco Canyon, damaged the Mt. Lowe R.R. tracks, burned La Vina Sanatorium buildings and many homes, and laid waste 2185 acres.

### SALUTATION

Those sincerely interested in the future of the mountains have been urging the restoration of TRAILS MAGAZINE since its temporary suspension in 1939. It is evident that the periodical can best succeed in serving the community if adequately supported by an outdoor-loving group with the same essential aims, and a scope broad enough to permit all to take part.

The Southern California Outdoor Federation was founded not only to re-establish TRAILS MAGAZINE, but to coordinate widely scattered efforts in support of the things for which the magazine has steadfastly campaigned under the able editorship of Will H. Thrall. Active participation is now within the easy reach of every individual and organization.

The Federation firmly believes in preserving the priceless heritage of the great mountain and desert playgrounds at our very door, and without desecration, to promote recreation therein, according to a far seeing plan for the future needs of an inevitably increasing population.

More specifically these ends are being fostered, in cooperation with the governmental agencies, by sponsoring: increased appropriations for the Forest Service, more primitive areas, reforestation, federal purchase of private land within the Forests, National Forest permits, conservation education in the schools and of the public, establishment of trails and camps, erection of numerous trail signs, trail days when everyone may join in building or improving trails, public hostels in the mountains operated at cost, the annual Mountain Marathon, winter sports, an annual mountain play, restoration of rightful names to natural features, preservation of early history, and a public information bureau.

TRAILS MAGAZINE, the official organ of this Federation, starts humbly again with this issue, but will increase in size, and improve in quality and attractiveness, according to the support it receives. Since the Federation is concerned with far more than the mere distribution of the magazine at cost, we hope our readers will not be merely passive, but become active members in support of the common welfare.

Everyone who goes into the mountains, hiker, camper, skier, and everyone who appreciates their beauty from afar, is urged to join with us in earnest effort to accomplish our objectives.

—E C B



## HELP DEFEND OUR FORESTS

WILLIAM V. MENDENHALL  
*Supervisor of Angeles Forest*

Readers of TRAILS MAGAZINE are hardly the kind of citizens who have to be warned again and again to be careful with fire in Southern California's brush and timber country. They realize only too well the devastation that results from heedlessness with fire in our mountains at this time of year.

But beyond being personally careful, there is another important way of helping protect the forest, and that is to be constantly on the lookout for persons who don't know or don't care what may happen when a burning cigarette is tossed aside, or a campfire is left behind.

In times like these, when the nation is concentrating on defense preparations, it is a matter of wise patriotism to be unceasingly vigilant in regard to fire.

Last fall's fire in Cajon Pass is a good example of how industry may be interrupted by a brush blaze. That fire caused the short-circuiting of Boulder Dam lines through the Pass and for a brief period of time 80 per cent of the industrial power in the Los Angeles metropolitan section was cut off. What this means in connection with the tremendous amount of defense activity hereabouts is obvious enough.

Incendiarism is always a menace, and especially so this year when so much is at stake.

In consequence, the matter of serving as Uncle Sam's forest watchman is an act vitally important to civilian defense. Under the circumstances, don't hesitate to quickly and definitely warn any person you observe to be reckless in forest areas as a smoker or campfire tender. If you see a cigarette tossed from a car in districts where smoking is prohibited, try to do these things:

Halt the offender's car or get his license number.

Stop your own car and make sure the cigarette stub is out.

If possible, notify a Forest Officer and provide him with identification that will allow him to arrest the offender.

In cooperation with other agencies, the United States Forest Service expects before long to engage in a vigorous campaign to recruit volunteer forest fire fighters to act in emergencies. When this campaign gets under way the services of all interested persons will be needed. Meanwhile, if you would like to assist in this recruiting drive, please notify the Forest Supervisor, U.S. Forest Service, Federal Building, Los Angeles.

SPENCE D. TURNER  
*County Forester and Fire Warden*

I was very glad to learn of the plan to re-establish TRAILS MAGAZINE. Never in the history of Southern California has it been so essential that the public be educated and informed of the necessity of the proper use, care and protection of our mountains. We are facing the most dangerous part of the most hazardous fire season in more than 50 years. The oldest of the "old timers" tell us that they have never seen such a growth of wild oats in the foothills and extending well up the mountainsides.

Protection forces have many new men who have never been through a fire season, and the thousands of workers in the defense industries, with their autos and money to spend, are taking their recreation in our mountain areas. They, like many others, are surprised to learn that green brush will burn.

The loss of our last CCC camp in the middle of the fire season is not easy to take, especially in view of the difficulty in obtaining men needed as fire fighters. It is true that men can be mobilized from various sources after a fire has reached major proportions, but by that time a great deal of damage has been done. Hundreds of fires in Los Angeles County have been held to an acre or less because the CCC crews were ready. Either while at work or in camp, they made a getaway in less than two minutes, extinguished the fire and were ready for another. Many of these blazes would have been major fires had it not been for the enthusiastic response of these young trained fire fighters.

Now that TRAILS MAGAZINE is with us again, I hope that in addition to reviving stories and pictures of the good old days in the "back country," it may have a hand in bringing realization to all of the people of how essential our mountain watersheds are to the prosperity of Southern California.

### News Items

On paying the annual fee, the privilege of boating and fishing in Puddingstone, San Dimas, and Tujunga Reservoirs was extended by county ordinance in 1941 July to include San Gabriel Reservoir No. 1. Boats must pass inspection by the dam guards; canoes and kayaks are barred for safety reasons. Fishing, subject to the State Fish and Game regulations, is permitted from the banks, except within 300 feet of any structure.

Over 63,000 people enjoyed the facilities of Crystal Lake County Park during 1941 Aug.

## NATIONAL FOREST CLOSURES

S. B. SHOW

*Regional Forester, California Region*

Closures of fire hazardous national forest areas in the California Region must be accepted as necessary to the public welfare.

General forest closures are not made strictly in the sense of national defense moves, except, of course, where national forests have been designated as military areas. But some closures are ordered in defense of the resources of the land and the communities dependent upon those resources.

The recent closure of sections of Los Padres National Forest may be likened to the same sacrifices which millions of citizens are called upon to make in behalf of national defense. In this particular case, perhaps several thousand motorists, campers and hunters are sacrificing vacations and outings in familiar forest haunts. With their interest in protecting these "hot spots" from fire I am sure they will accept the closures sportingly.

Additional closures of hazardous forest areas may become necessary if the seriousness of the fire situation continues. Measures already have been taken in closing some forest waterpower and reservoir watersheds.

In view of the extremely severe fire danger, we've had a combination of exceptionally good luck and splendid cooperation of national forest vacationists in keeping the number of man-caused fires to a minimum so far this summer.

Fire danger all over the state is getting progressively worse. The strongest hope of every forest officer is that public cooperation in preventing fires in the public's forests will not diminish.

## PREVENTION WORK PAYS

*(From Conservation Activities, July 1941)*

WILLIAM V. MENDENHALL

*Supervisor of Angeles Forest*

The efforts of the Angeles Forest fire prevention officers over the week end of July 4 apparently paid big dividends. Their prevention contacts, plus the splendid cooperation of all forest visitors, brought the week end to a close without a single fire being reported within the boundaries of the Forest. 82,373 visitors and 25,037 cars were registered at the various forest entrances. The effort expended to convey the prevention message to these visitors seems to have proven a program well justified.

But, on the following Thursday, July 10, some careless smoker flipped a cigarette into the dry grass along the Mint Canyon Highway

near the Mint Canyon Public Campground, and the fire raced off in a northerly direction, consuming 350 acres of watershed cover before it was controlled. Both Los Angeles County and Angeles Forest protection forces tied into the fire and through the outstanding performances of tank trucks, suppression crews, and a bulldozer, the fire was halted just as it seemed to be developing a widespread run toward the summit of Sierra Pelona Mountain. 225 men were used to bring about control of the fire.

About 20 cabins and trailer camps were at one time in the path of the blaze, but through the efforts of the tank trucks and crews all were saved and no damage resulted other than the usual watershed destruction.

## News Items

On entering the Angeles Forest, the checking officer requests the smoker to hand over his smoking equipment which is put into a bag. The bag is handed back and the smoker voluntarily signs an attached pledge to uphold the Forest smoking rules. This simple ceremony is securing highly satisfactory cooperation. Ten thousand bags were issued over Labor Day alone. Neighboring forests are adopting the idea, and it may become nation-wide. Our readers are requested to send old salt, sugar, and flour sacks to U.S. Forest Service, Federal Building, Los Angeles, so that the Girl Scouts and other groups may continue to cooperate in making these bags.

American Legion Post of Los Angeles, No. 570, is financing the hula posters in streetcars and elsewhere. A scantily clad hula dancer is portrayed with the slogan, "Don't be a flipper—the forest cover will burn like a grass skirt." The poster effectively draws attention to the destruction a single cigarette flipped from a car window may cause.

The Forest Service plans a series of debris dams in the Arroyo Seco Canyon. The surveys are not complete, but the dams will be located above and below the site of the first now in construction, five miles up near the mouth of Brown Canyon. Accordingly government leases of eleven permittees at Oakwilde and vicinity have been canceled. Lovers of this beauty spot greatly regret that it will soon be under water.

Nearly complete returns during the deer season, 1941 Aug 10-Sep 9, indicate that about 10,500 hunters obtained 275 deer from 390,000 acres of Forest; it is of interest that over Labor Day 6671 hunters took only six deer. There were three minor accidents and no fires attributable to hunters.

### TO THE WAYFARER

*(From posters in the public parks of Spain)*

Ye who pass by and would raise your hand  
against me,  
Harken ere you harm me.  
I am the heat of your hearth on the cold  
winter nights;  
The friendly shade screening you from the  
summer sun;  
And my fruits are refreshing draughts  
Quenching your thirst as you journey on.  
I am the beam that holds your house, the board  
of your table,  
The bed on which you lie, and the timber  
that builds your boat.  
I am the handle of your hoe, the door of your  
homestead,  
The wood of your cradle, and the shell of  
your coffin.  
I am the bread of kindness and the flower of  
beauty.  
Ye who pass by, listen to my prayer:

HARM ME NOT!

—Anon.

### PRELIMINARY SURVEY OF THE ANGELES FOREST HIGHWAY

T. D. ALLIN

*Formerly Commissioner of Public Works  
of Pasadena*

*The Angeles Forest Highway, opened September 12, from its junction with Angeles Crest Highway at the head of Clear Canyon, to Vincent on U.S. 6, is about 24 miles in length. It not only cuts many miles from the driving distance to Antelope Valley points but makes easier of access to hikers many beauty spots in the western San Gabriels.*

*The beautiful falls of Josephine, Fox and Falls Creeks are within a short, easy hike; Camp 15 on the upper Tujunga is two miles by trail, and the old Colby Ranch (now Sleepy Hollow) only a mile and a half farther. From the pass where the Highway crosses the main divide, three and one-half miles of good mountain road takes one into the beautiful forest park about Mt. Pacífico, while the Devil's Punch Bowl and the spectacular mountain scenery south of it is twenty miles closer to Foothill Boulevard.*

*We are fortunate in having Mr. Allin's own account of the preliminary surveying trip of this new highway.*

—W.H.T.

For many years the Board of Trade and City officials of Pasadena had been interested in a more direct highway across the mountains to Antelope Valley. H. Paul Schoeller of

Palmdale had made some investigation and visited my office several times about it. So on the evening of July 3, 1913, Attorney Pitchner and I took the Southern Pacific train for Vincent where Schoeller met us.

We slept on the floor of the depot and early next morning, with food and blankets on our backs, struck out across country past Kentucky Springs, over the divide at the head of Mill Creek and down to the Tujunga. Being so close we decided to go up Cold Creek to Colby's where we arrived just at dark, three mighty tired fellows at the end of a hot Fourth of July.

Here we had an amusing experience. Since we came in so late Mrs. Colby did not see us or know of our presence. That day three Los Angeles men had made a fine catch of trout in the Tujunga and the Colbys were instructed to have them ready for an early breakfast.

We were first up in the morning and enjoying some scattered cherries left on trees in the yard when Mrs. Colby called from the dining room door, "Breakfast is ready." Surprised at so early a call we went in and there waiting for us was a big platter of trout, fried as only Delos Colby knew how to do it. They certainly tasted good, and we were just finishing them when another platter, piled as high as the first, was placed before us.

Schoeller said to Mrs. Colby, "Someone surely made a fine catch." Startled, she stared at us and said, "Aren't you the three men who caught these fish?" We were dumb, something was wrong and the fish were too good to lose. She ran to the kitchen door and called to her husband, "Are these the men who caught the fish?" He came to the door in white cap and apron, gave us one look, and you should have seen the expression on his face as he threw up both hands and exclaimed, "H--- no! bring back those fish."

Mrs. Colby grabbed the platter and ran for the kitchen. We could hear Colby giving vent to his feelings, and there was plenty of vent. He had a vocabulary which fitted the occasion and was as expert in its use as at frying fish. Just as he had about run down the men who caught the fish came in.

It was embarrassing to us with the Colbys both talking at once, trying to explain the mistake, but the three were good sports, especially when they learned that we had eaten only half of the fish. The breakfast ended with the six of us having a jolly time and Mr. and Mrs. Colby much relieved at the outcome.

We had taken our blankets because we expected to be in the wilds when night overtook

us, but we might better have left them at home and saved the load. We left them at Colby's to be brought down by pack-train, and hiked on to Pasadena, all of us satisfied that such a highway as proposed could be built.

Soon after this, D. J. Macpherson the engineer who located and built the Mt. Lowe R.R., spent several days going over the area with hand level, aneroid barometer and note book, and reported the project quite feasible.

The State Legislature of 1915 appropriated funds for the survey of a route which was to leave the present Angeles Crest Highway several miles farther down, crossing the divide to the Tujunga watershed at Dark Canyon Pass. About the middle of April 1916, with State Engineer McClure and Fred Bowlus, now with the County Sanitation Department, I hiked over the route, this time with pack animals to carry camp equipment, and spent two days between Pasadena and Vincent, camping on Mill Creek the one night out.

The Legislature of 1917 made funds available for the construction of this highway, but when it was discovered that funds being used for building the Mint Canyon Highway could not be legally used for that purpose, it was necessary to transfer the funds intended for this highway to that project. Then the war came and the Angeles Forest Highway plan lay dormant for many years.

In June 1934, a group of County and City officials drove through to Vincent over the then completed part of the Angeles Crest Highway and rough forest roads. On October 27 of the same year a big gathering on Barley Flat, where we had a bird's-eye view of much of the route, enthusiastically decided to work for the early completion of such a worthwhile mountain highway.

### TRAIL CHESTNUTS

1. What is very large at the bottom, very small at the top, and has ears?
2. A man left his camp one morning, walked one mile due south, then two miles due west, saw a bear, became frightened, and ran one mile back to his camp. What was the color of the bear?
3. Three men were walking along a mountain stream.

First man (reading sign): "Don't fish here."

Second man (turning to the third): "Do they?"

Third man: "No, they don't."

Second man: "Yes, I think they do."

Which was right?

(Answers at end of page 15.)

### MILITARY USE OF NATIONAL PARKS

NATIONAL PARKS ASSOCIATION  
1214 16TH ST., WASHINGTON, D.C.

(Resolution at annual meeting, 1941)

Since the National Primeval Parks and Monuments were established as outstanding natural areas worthy of protection and appropriate use for the continuing refreshment, education and inspiration of the American people; and

Since the great areas of the National Park and Monument Systems inspire in the people a pride of country and serve as symbols of patriotism to crystallize a love of American institutions, thereby making their primary contribution to the national defense; and

Since extensive military training and maneuvers, as well as practice bombing, are incompatible with appropriate public use of these areas, and irreparable damage to their natural features must result from such use; and

Since the less restricted and equally suitable places in other public areas are already available for military purposes;

*Be It Therefore Resolved*, that under no circumstances should general authority be given for even the temporary transfer of Federal park lands to other Government agencies for military or naval purposes, as proposed in the 76th Congress; and

*Be It Further Resolved*, that only in case of dire necessity should such transfer of a specific park area be made, and then only after every other possible area has been investigated and shown to be unsuitable for the proposed use, and only in accordance with the recommendation of the National Park Service and the Department of the Interior; and

*Be It Further Resolved*, that if a park area is selected for such purposes, every effort should be made to avoid undue disturbance of natural conditions and interference with normal park activities.

### INDEX TO TRAILS MAGAZINE

It is contemplated to index the former 21 issues of TRAILS MAGAZINE, 1934-39, as Volume 1, consecutively paginated throughout the 512 pages.

To be most useful this index will occupy about 16 pages. Because it is estimated that not over 200 copies are wanted, the cost is tentatively fixed at 25c each.

In order to avoid risking a deficit, the money must be well in hand before publication. Kindly send in your order accompanied by remittance.  
—E.C.B.

# NECTAR OF THE GODS

WILL H. THRALL

Distilled in the snows of the high country, stored, perhaps for years, in deep basins of the living rock, flowing out through cracks and crevices under the roots of the forest, to come bubbling from the mountainside ice-cold and of a marvelous sweetness, the "Nectar of the Gods."

There's a vast difference in the waters of mountain top springs. Some are so much better, so tasty and naturally cold, that old mountaineers never forget the taste or get over the craving. Valley folks may find it difficult to understand but mountain folks will know what I mean and just the mention will start the thirst.

Now I can hear some of you say, you who use legs mostly to reach the clutch, brake or accelerator, how do mountain top springs interest me? But if you will do a little mileage on your own power, if you would see some of the thrilling beauty of Los Angeles County's high country, you may now drive to within two miles or less of all except one of the

springs we will tell you about and it is not altogether the quality of the water which makes them fountains of youth.

These little journeys on foot will take you through forests unbelievably beautiful to points of outstanding scenic grandeur. You will wonder what is around the next turn of the trail or over the next ridge, what different or finer panorama is unfolded from the next high point. If you persist in the quest you will find that we have, right in our own back yard, forests, canyon gorges and mountain peaks as fine as any.

You will also learn why it is that the Angeles Forest so needs and is so deserving of your thought and attention, why it must be carefully protected and properly developed; why, as our population grows with the years, this 600,000 acres of forested high country must and will be the summer and winter recreation area for a vast multitude, the greatest playground in the world.

First there is Sheep Spring, high on the northwest slope of Mt. Pacifico, bubbling from the mountainside in a thicket of young cedars, cold and sweet and fit for the Gods. The beautiful campground close by, (page 2) splendid open forest round about, enormous granite monuments scattered by nature over the slopes and one of the finest mountain peaks in the San Gabriels, makes this area a natural park well worth going to see.

Next is Winston Spring. Hundreds of you who hike the trails of the Angeles Forest have enjoyed this cold, delicious water, where it comes tumbling down over moss covered rocks to the Angeles Crest Highway about five miles above Newcomb's Inn, but very few modern day hikers have visited the source of that fine water in a little forested basin near the crest 1000 feet above, or the thrilling cliffs and crags which stud that crest from Three Points to the summit of Mt. Waterman.

The little stream from Kratka Spring sings a merry tune as it tumbles down Kratka Ridge and under the highway, half a mile east of Buckhorn Flat, and oh, how good that water is. The spring, up near the crest of the ridge in the head of a little canyon, is only a short walk from the highway and the faint trail to it winds through waist-high ferns. The surrounding forest is most beautiful and the view back over Buckhorn Flat and down the canyon of the Little Rock is one to remember.



—J. C. McClung  
*Towering Crag of Mt. Waterman, near  
 Winston Spring*



#### SPECIAL MESSAGE TO MEMBERS AND PROSPECTIVE MEMBERS

TRAILS MAGAZINE is your magazine, a labor of love, for no editorial or other salary is being paid. Its growth in size, attractiveness, and usefulness rests directly upon the cooperative efforts of individual members of the Southern California Out-Door Federation. It is gratifying that so many otherwise mere subscribers, upon learning this, apply for membership in order to give more substantial support to the high objectives of the MAGAZINE. The dues have purposely been kept within the reach of all, a nominal 1 $\frac{1}{2}$  per year.

In order to finance the Dec issue on the same level as this issue, we are relying on unpaid dues. We thought that by this time those in arrears would be conscience stricken, but 32 are still holding out, waiting a special exhortation, causing needless expense in time and money.

In maintaining the standard of this issue, beginning with 1942, TRAILS faces disaster unless there are at least 800 paid memberships and subscriptions. There are now 180 members (82 not paid up) and 35 subscriptions. Let each of us herewith pledge himself to secure five new members. Such a commitment is far more apt to be fulfilled than if one takes only a general interest. TRAILS will then be on a self-supporting basis, but still paying no editorial salary.

#### MEMBERSHIP APPLICATION and TRAILS MAGAZINE SUBSCRIPTION

I have carefully ascertained the purposes of the Federation and wish to support it. I herewith apply for membership and inclose dues for the class checked:

Individual 1 $\frac{1}{2}$  ( ), Organization 2 $\frac{1}{2}$  ( ), Contributing 5 $\frac{1}{2}$  ( ), Life 25 $\frac{1}{2}$  ( ).

Name: Mr, Mrs, Miss \_\_\_\_\_ Employer \_\_\_\_\_

Home Address \_\_\_\_\_ Business Address \_\_\_\_\_

City \_\_\_\_\_ Tel \_\_\_\_\_ City \_\_\_\_\_ Tel \_\_\_\_\_

Occupation \_\_\_\_\_ Member of \_\_\_\_\_ Date 1941 \_\_\_\_\_

Signatures of my sponsors: 1. \_\_\_\_\_ 2. \_\_\_\_\_

What could be more acceptable than a Xmas gift membership in SCOF, or even just a subscription to TRAILS? At each of the four seasons the recipient will be pleasantly reminded of the giver. If only a subscription can be afforded at 50c per year:

Name \_\_\_\_\_ I inclose \$ \_\_\_\_\_ for \_\_\_\_\_ year(s). Begin with \_\_\_\_\_

Address \_\_\_\_\_ No receipt will be sent. Addressograph plate will \_\_\_\_\_

City \_\_\_\_\_ show the date of expiration.

#### ADVERTIZING

Each dollar received in advertizing correspondingly reduces the necessary number of memberships and subscriptions mentioned above to attain success. There are only three ads in this issue. Are there not several among us who will each devote a little time to securing just one ad? A substantial increase in ads alone will help.

Readers are specifically urged to mention TRAILS when patronizing an advertizer, because such simple effort assures the advertizer that his ad is being noticed and makes easier the securing of future advertizing.

#### BACK ISSUES

If anyone has back numbers of TRAILS that he does not want, please donate them to SCOF. We wish to supply the demand of those desiring to complete sets.

#### MATERIAL FOR TRAILS MAGAZINE

The editor earnestly solicits contributions of suitable material and suggestions of subjects and authors. A few suggestions are: conservation, fire prevention, current mountain articles, stories, early history, Indians, hieroglyphs, mining, poems, pictures, items, biography, personals, chestnuts, book notices, hosteling, description of some locality or interesting clim, flood of 1938, nature studies (botany: flowers, plants, historical trees, largest tree of its kind; zoology: lions, snakes, "The Last Grizzly"; geology: the new fossil find at the Punchbowl), etc, etc, etc.

For the Dec issue we specially need winter articles: winter sports, winter pictures, especially for the cover, winter climbs, etc. We urge your assistance NOW.

In submitting material please observe these directions: Articles are to have title, author, his official capacity, and be typed double-space on lines of 46 characters maximum length. Photos are to have title, photographer, and if suitable as a cover picture, about a 7-line description.

Each organization is requested to submit two notices of its activities: one of 26 lines without heading, and the other as long as needed, in case space is available.

The dead line for all material is the 1st of the month of publication: Mar, Jun, Sep, Dec; but the editor will highly esteem contributors and advertizers who do not wait for dead lines, but prepare their material far in advance.

#### ANALYSIS of 39 REPLIES to the QUESTIONNAIRE of 1941 Jun 27

First reissue of TRAILS, 12pp, 1000 copies, 25-5. Wait for backing of 1500 members, 5-15. Start with 10,000 circulation, 1-25. Letting a firm underwrite TRAILS, 10-15. Orders for index 1934-39, 14. SCOF sponsor Mountain Marathon, 12-8. Fall meeting of SCOF, 30-0. Register for fire patrol, 5. Material aid in preserving the Wawona cabin, 0. Handbook of Trail Trips, 29-3. Charter amendments, 22-3.

#### FALL MEETING, 1941 Sep 14, Sunday

SCOF held a very satisfactory meeting of members and friends, the first since its founding, at the Big Fireplace in Griffith Park. During the picnic and program of informal talks and mountain quiz contest, 80 people became better acquainted with each other and the purposes of the Federation, and can vote more intelligently on the ballot below. It was approved to hold such stimulating meetings semi-annually.

E C Bower, President, and Acting Editor of TRAILS MAGAZINE

# NOTICE!! -- TRAIL DAY

The next Trail Day is Sunday Oct. 12. Meet at Foothill Bl. and Haskell Av. at 8am. Bring pick, shovel, rake, and lunch. Invite your friends. Drive on the Angeles Crest Highway to Three points, about 28½ miles from the meeting place. If impossible to arrange transportation, call the Trails Chairman. Work will continue on the Lightning Trail, from Three Points to the Waterman-Twin Peaks Saddle, where we built the first 1000 feet last Oct. Another successful Trail Day was 1941 Mar 30 when the Dark Canyon Trail above the Angeles Crest Highway was so well repaired that two heavy storms immediately following caused negligible damage.

## Mountain Marathon

NOW is not too early to start preparation, if SCOF is to sponsor the Mountain Marathon next August. Don't keep your light under a bushel if you can help in any capacity. This will be appropriate and excellent publicity for SCOF.

H. L. Baker, Trails Chairman, TR 7276, JE 0828

## CHARTER AMENDMENTS, Etc.

The Council, having passed the following amendments in the interest of greater simplicity and flexibility, submit them to referendum:

A. Article 5, Section B: for "First Vice-President, Second Vice-President", read "Vice-President".

B. Article 5, Section B: for "With the exception of the Secretary, they ( ) the officers) shall serve voluntarily without compensation", read "and serve voluntarily without compensation".

C. For Article 7, read "The Vice-President shall act for the President in case of absence or temporary disability".

D. Delete Article 8, Section A, "The Secretary shall receive a reasonable compensation for his services", and reletter the sections following to correspond.

E. Delete Article 11, Order of Business, since fully covered by Robert's Rules of Order in Article 12, and renumber the articles following to correspond.

F. Article 14, Section A: add, "Other persons in the same family at the same address who forgo receiving notices and the official periodical may pay 50c each per calendar year for annual membership".

G. Article 15: insert new Section B, "Each individual member shall have one vote, and each organization member two votes", and reletter the section following.

H. The charter would occupy two pages in TRAILS. Shall it be published?

I. Shall each of the new members below be accepted?

155 Roamer Hiking Club  
156 Chas W Stone  
157 Walter Tischhauser  
158 Lt C Martin-Litton  
159 Frances Boniface  
160 Glendale Community Hiker  
161 William Whitten  
162 Wm D Davies  
163 Ramblers

164 Warren Bonner  
165 Sayre Macneil  
166 Dr H J Andrews  
167 Russell Jorgensen  
168 Dr Clara Margoles  
169 Mrs Otha Wragg  
170 Alfred Tank  
171 Irving Wilke  
172 W P Stannard

173 H M Hargrave  
174 R E Wolcott  
175 Mrs R E Wolcott  
176 Dr J F Maley  
177 Francis M Fultz  
178 Gertrude Zinke  
179 C C Dickson  
180 Bill Conner

## Ballot Instructions

In our democratic procedure each member is his own nominating committee. Officers are elected according to our charter, Article 5, Sections A and B. Organizations each have two votes, to be cast by two of their members duly appointed, and so certified upon the inclosing envelop. ALL are URGED to cast ballots, for a good Council is needed next year to carry on at a critical time.

From the complete membership list put your first choice for Council on the first line marked 10, your second choice on the second line marked 9, etc. Last year 50% of the votes were lost because it was not verified that candidates would serve. By phone the President will assist in verifying which eligible members will serve.

Cut at the dotted line, fold, and in order to preserve secrecy, inclose in a sealed envelop, with your name on the outside (without this identification the ballot is void). Inclose in another envelop together with any suggestions, or objections to new members in I, and mail to:

Southern California Outdoor Federation  
103 W 6th St, Room 921, Los Angeles

at your early convenience. Ballots postmarked later than Nov. 15, or from those whose dues are unpaid, will not be counted.

Cornelius Smith, Vice-President and Secretary

## Ballot for Council 1942

## Amendments, Etc.

		Yes	No
10			
9			
8	A		
7	B		
6	C		
5	D		
4	E		
3	F		
2	G		
1	H		
	I		

Little Jimmy Spring, on the Mt. Islip trail, just over the crest from Crystal Lake Playground, is well known to thousands who hike the forest trails. Here Jim Swinnerton, the famous cartoonist, camped the whole summer of 1909 and on the bleached, white surface of a great pine stump he painted, life size and in colors, Little Jimmy of the Sunday Comic Strip. Swinnerton Campground, close by, is one of the most beautiful in the range.

Then there is Lily Spring, 8000 feet up, on the north slope of Mt. Hawkins, almost within sight of Little Jimmy, but with three miles of beautiful trail between. It bubbles up in very nearly the only sunny spot in a forest so dense and so tall that it is twilight along the trail at high noon (page 10). The Angeles Crest Highway will, some day, pass within a quarter of a mile but it will do you much more good if you get there first.

Lemel Spring, many will contend, is the best water of all, but possibly this verdict is swayed by circumstances, as this is the only water on ten miles of trail between Little Jimmy Spring and Vincent Saddle. Half way up the precipitous east face of Mt. Baden-Powell and 200 yards south of the main trail on a side path, this wonderful water gushes

from the mountainside, ice-cold and with a flavor all its own.

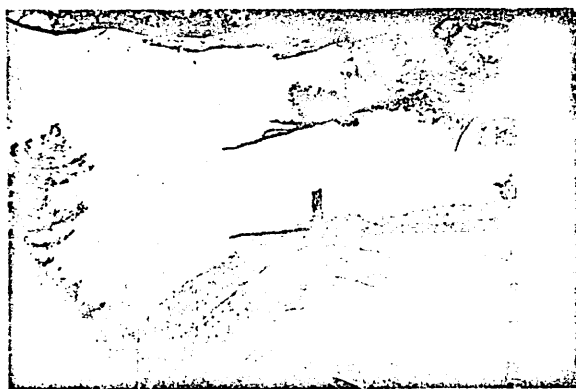
And last but not least is Columbine, one mile up the trail from the new Ranger Station on Prairie Fork, a wonderful water in a glorious setting. Back of this spring a dense, almost pure stand of white fir extends nearly to the summit of Pine Mountain, 9665 feet high. Across the floor of Prairie Fork looms the towering south wall of Blue Ridge, while four miles to the west the great mass of Mt. Baden-Powell rises 9399 feet into the blue.

These springs and the way to them may be found on Forest Service and Auto Club maps and regular visits to them will not only add to your appreciation of Los Angeles County's glorious high country, but will help to cure many of the ills which have come to us with the automobile age.



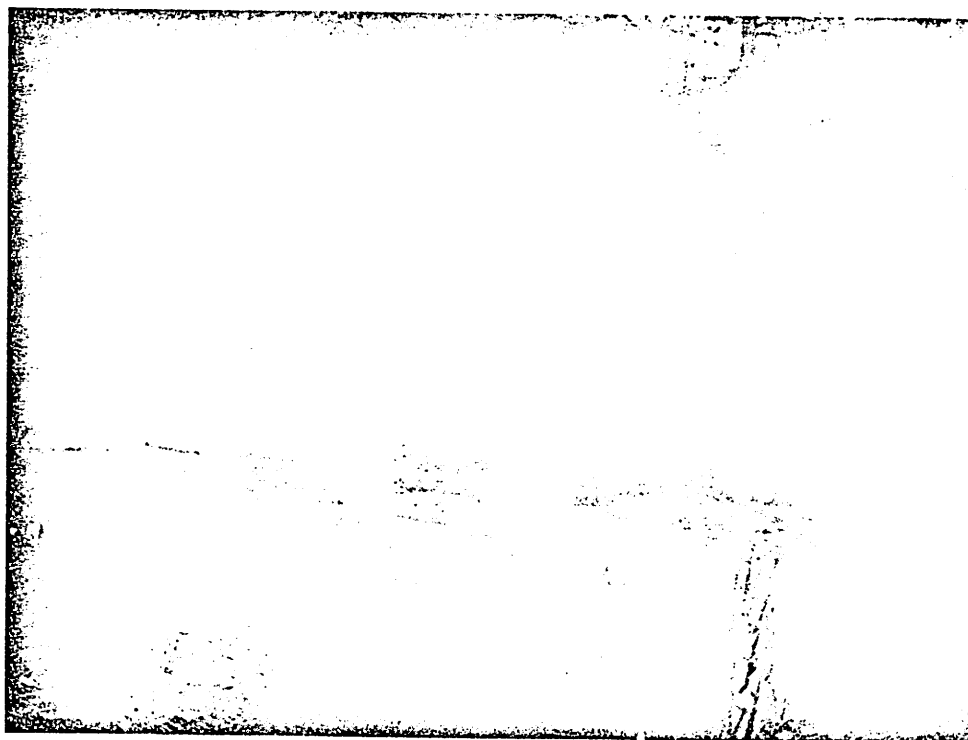
—Will H. Thrall

*Swinnerton Camp, near Little Jimmy Spring*



—Azusa Chamber of Commerce

*Islip-Hawkins Saddle, near Little Jimmy Spring*



*Lily Spring Camp, north slope of Mt. Hawkins*

—Will H. Thrall

### HILL TRAILS

Some may choose the broad roads that reach across the world,  
 The splendid shining thoroughfares of prowess and renown;  
 Along their curving majesty what vistas are unfurled  
 Of towered and templed legend days, of scepter and of crown!  
 But storied lands grow stale too soon, and I would watch a desert moon  
 That shadows forth a timbered ridge above a sleeping town;  
 And turn again my weary face to dimming gulfs of starry space—  
 On the high trails, the shy trails, across the mesas brown.

The ancient trails of ancient lands are hammered deep and wide;  
 Their dust is stamped by pilgrim feet and dark with pilgrim tears;  
 The winds they know are weighted down with freight of brooding pride;  
 Their very stones are resonant of long-forgotten years.  
 But in my land the trails are dim—faint paths that skirt a canyon rim  
 Where scarce a foot has marred the rock or cupped the yielding sod;  
 Where one may hear, at night or noon, the dreaming pines' ancestral rune—  
 On the hill trails, the still trails, unfettered and untrod.

Oh, some may choose the old roads that centuries past have known,  
 The staid and somber thoroughfares of storied pomp and fame.  
 But I would face the mountain wind, the tang of sage far-blown,  
 And tramp the vagrant prairie trails that boast nor pride nor name.  
 For weary is the weight of time; outworn the past, howe'er sublime,  
 And I would leave a little while the pigmy craft of men  
 For tawny plains; blue, windy space; dank hills against the night's starred face,  
 On the new trails, the true trails, that call me forth again.

—Ted Olson.

## H. C. ROBERTS, Cr., GEO. GATES, Dr.

CORNELIUS SMITH, *Secretary of Azusa Chamber of Commerce*

Mr. H. C. Roberts was the first to introduce hydraulic mining in the San Gabriel Canyon in the early 60's and, according to the best information, operated one of the first canyon stores on the site now known as Follows Camp. The old store building erected in 1859 is still standing, having been used by the Follows as their kitchen for 40 years.

No one now living remembers George Gates, an early miner, who ran an account at the Roberts store in 1864. A fragmentary record of the account, found by E Clampus Vitus, state historical society, in the old store building many years ago, has been carefully preserved. The entries are copied verbatim from the original, with translation of the more unfamiliar words in [ ]. They tell their own graphic story how this early San Gabriel miner spent some of his earnings.

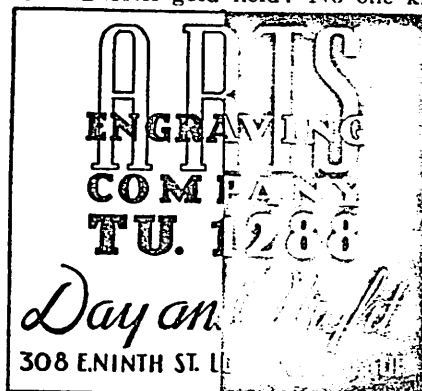
1864	Cr.	Geo. Gates	Dr.
May 9th	To	Amt-brot-fw-	\$ 8.50
"		haisqui y galletas [& crackers]	.50
"	12	Cash pd on order Volkest	10.00
"	21	1 cuar vino [quart wine]	.25
"	"	3 cuartos vino	.25
"	"	3 " " y vaso [glasses]	1.00
"	"	3 " "	.25
"	"	1 Sombrero y taza [hat & cup]	2.50
"	"	1 pano [handkerchief]	.38
"	"	1 vino	.25
"	"	1 " y taza	.50
"	22	tobaco	.38
"	"	vino	.25
"	"	seg (1) seg (2) [cigars]	.38
"	"	Wine-2 Wine 2	.50
"	"	Paid Joaquin	.13
June 3	Paid	for Geo Fleming	\$24.24
"	"	Aguardiente y tobc [brandy &]	.87½
"	"	tobaco	.50
"	"	"	.50
"	"	arguadiante	.38
"	"	mais [corn]	.88
"	"	Arguadiante	.38
"	"	galleta y queso [cheese]	.50
"	"	haisqui	.38
"	11	"	.75
"	"	"	.75
Julio 2	"	y peras [pears]	1.00
"	"	Liquor	.37
"	"	Wine	.25
"	3	haisqui	.38
"	"	1 galin liquor	3.00
"	"	liquor	.25
"	4	haisqui	.38
"	"	"	.38

passala buelta [carry forward] \$62.41

Julio 4	haisqui	.37
"	" vino	.25
"	" "	.50
"	" "	.50
"	9 1 par zapatos [pair shoes]	2.00
"	" liquor	.37
"	25 haisqui	.38
"	" "	.38
"	26 haisqui	.75
"	" 2½ haisqui	1.50
"	27 1 bote ostiones [can oysters]	1.00
"	29 haisqui y belas [candles]	1.12
"	" "	.38
"	" "	.38
"	" "	.75
"	" sandia [watermelon]	.38
Agosto 7	haisqui	.38
"	9 "	.75
"	" haisqui y tachuelas [tacks]	1.00
"	10 haisqui	.75
"	11 "	.75
"	" "	.38
"	" "	.25
"	12 "	.75
"	13 taza	.25
"	21 sandia	.25
"	" vino	.25
"	" "	.13
"	" "	.13
"	23 "	.13
"	" "	.13
"	" "	.25
"	" "	.25
"	28 huba [grapes]	1.00
"	" vino	.25
"	" huba	.50

Carried to page 79 \$80.83

Here the record ends, for the back pages of the ledger are lost. Did George Gates try to drown a disappointment and sorrow in one continuous spree? Did he ever strike it rich in the new San Gabriel gold field? No one knows.





## Outing Club News

### American Youth Hostels, Inc.

SOUTHERN CALIFORNIA AREA COUNCIL

RUSSELL JORGENSEN, *Executive Secretary*

Those interested in hosteling and the recent development in Southern California are invited to attend the open meeting to be held at 7:15 p.m., Friday, September 26th, at the Council House, 214 Loma Drive, Los Angeles (Beverly Blvd. at Belmont). An interesting program is being arranged including an explanation of hosteling developments in Southern California thus far, AYH future plans and a colored movie on hosteling. Outing organizations are especially urged to send delegations to the meeting.

For those wishing to hostel in a group, special week end trips are held each week starting at one o'clock Saturday. Most trips are by bike. However, an overnight hiking trip is planned for September 27th to the new hostel at Camp LeRoy (formerly Hoegee Camp) in Santa Anita Canyon.

For additional information write to the Executive Secretary, 1266 Lilac Terrace, Los Angeles, or phone MADison 8088.

### California Conservation Council

W. I. HUTCHINSON

*Chairman, Public Information*

The California Conservation Council announces an open invitation for the public to attend and participate in the Second Annual Conservation Conference at Sonoma Mission Inn, in the Valley of the Moon, Sonoma, California, Oct. 9 to 11. A welcome dinner will be held during the evening of Oct. 9.

The field of conservation is not restricted to public agencies whose business is conservation, nor to naturalists and outdoor-minded philanthropists. Conservation of natural resources is instinctive with everyone and should be a part of the public service activities of each citizen and every major organization.

Right now, conservation in national defense calls for stimulated action. You may write to the California Conservation Council, 209 East Canon Perdido, Santa Barbara, or the Sonoma Valley Chamber of Commerce, Sonoma, for program announcements listing topics for the general sessions and panel discussions, conservation tours, nature walks, and the historic pageant.

Plan now to attend this important—and enjoyable—conference. It would be well to make your hotel reservation early.

### Glendale Community Hikers

Member of SCOF

MRS. DOROTHY M. JOHNSON, *Chairman*

Glendale Community Hikers have reported many interesting vacation trips this year. Two members visited Alaska, and they reported many enjoyable incidents relative to their trip and their pictures have been fascinating; several others motored through the Northwestern States and into Canada, visiting Mount Rainier, Crater Lake and many other mountain resorts en route. Yellowstone National Park and the High Sierras also received their quota of Glendale Hikers this year. Even after such delightful trips and vacations, everyone in the Club is looking forward to hiking trails of Southern California this fall and winter. A new bulletin will be prepared soon for October, November and December, and from all reports it will be a very interesting one. Visitors are always welcome on our trips, and any information desired relative to this club may be obtained from the Chairman, 315 W. Wilson Av., Glendale, Citrus 2-5131.

### Ramblers

Member of SCOF

E. C. BOWER, *Chairman*

The Ramblers is a congenial hiking group organized in 1941 to serve as an additional nucleus for those interested in rambling the byways of nature.

The activities consist of weekly hikes, occasional overnite trips, moonlite rambles, and evenings to enjoy outdoor pictures. The trips are varied: to canyons, peaks, desert, and observatories. Most are within the ability of the average hiker, yet those who do not wish to go the full distance may generally hike only a few miles, or not at all, and still have the opportunity of thoroly enjoying the outing. Occasionally harder trips are taken such as climbing the three high peaks of Southern California, Mt Whitney, and hardest of all, Mt San Jacinto via Snow Creek.

Trips to Fish Cyn, Ventura Co, Strawberry Pk, Sheep Mt, and evenings of pictures have been especially well attended.

Scheduled events: in Oct, Mt San Jacinto via Dark Cyn, evening at Mt Wilson Observatory, Piru Gorge, Torrey Hill, Afton Cyn; in Nov, Big Oak of the Sierra Pelona, Condor Pk, Red Rock and Iron Cyns (Leonid meteors), Mt Gleason, Painted Cyn; in Dec, Mt Lukens, down Palm Cyn from Pinyon Flat, Soledad Rocks, Mule and Owl Cyns.

All, especially those unattached to other hiking groups, are cordially invited to any event. There is no membership fee, formality, or obligation, beyond being prompt at the meeting place. Schedules are available at cost. For fuller information call or write the Chairman, Griffith Observatory, Los Angeles, NO 17703, OL 1191.

### Roamer Hiking Club

Member of SCOF

EARL E. DIXON, *Federation Committee*

Organized in 1920, the Roamer Hiking Club has carried on a series of hikes and social affairs to which members have always been urged to invite their friends, thereby giving outsiders an opportunity to attend Club events before giving consideration to actually joining. We have always felt, and it has been proven, that by previously attending events, a person then joining the Club becomes a more desirable member.

Our hikes vary from six to twenty miles. Mileage is always published in the schedules so as to avoid anyone unaccustomed to hiking to go beyond their ability.

Events in the immediate future include a social "Dinner, dance and carnival party," at Carl's, Crenshaw and Washington Blvd., to be given Saturday evening, October 4. September 28 is scheduled for another of our popular "Mystery Hikes." October 12 we hike to Strawberry Peak, always a drawing card event. An overnight camping trip to Chuchupate Peak in the Frazier mountain range captures the week end of October 25 and 26.

If after reading the above events, any of them appeal to you, or if you think that perhaps our schedule might contain a desirable event later on that you would like to attend, a note to our Secretary, Bernice Matthews, 3509 10th Avenue, or the Chairman of our Outing Committee, Keith Peterson, care of Y. M. C. A., both in Los Angeles, will bring a schedule to you in the next mail.

Our Club is composed of both single and married people.

### San Antonio Club

Member of SCOF

WILL H. THRALL, *President*

This club has had no regular hiking schedule during the past year though it has been well represented on all work trips of the Southern California Outdoor Federation and small groups have taken a number of very enjoyable hikes. Most of the activity has centered around the Club cabin in Bear Canyon,

where two members also have cabins just across the stream.

The officers are looking for a strong revival of interest in 1942, with the completion of the Brown Mountain Truck Trail, from Millard Canyon to the Mt. Wilson road, passing within half a mile of the cabins. Notices to members for the Annual Meeting in November are expected to contain some very interesting announcements.

For information as to this club's activities, write or phone the President, 400 South Garfield, Alhambra; or Edward Coughran, Secretary, 248 South Putney, San Gabriel.

### Yucca Hiking Club

Member of SCOF

RICHARD LEJON JOHNSON, *Trail Leader*  
116 N. Alta Vista Ave., Monrovia

During the two-year suspension of TRAILS MAGAZINE, the Yucca Hiking Club of Monrovia has continued its regular Thursday hiking trips, departing therefrom only for moonlight hikes, if another day offered a better moon, and for occasional camping trips.

Schedules are not prepared in advance, being kept flexible enough to allow for weather conditions, of heat or rain, or seasonal variations in the blooming periods of flowers along trails known to present best opportunities to see and enjoy large numbers of species and varieties,

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FREE PARKING IN REAR

Open Friday Evenings to 9 p.m.

such as Sycamore Flat Trail in Dalton Canyon, Fish Canyon Trail, and many others.

Hiking trips range from Mendenhall Peak, Pacoima Canyon, Dillon Summit and Little Tujunga Canyon on the west; to Icehouse Canyon, Chapman Pass, Ontario Peak and San Antonio Canyon on the east; to Chilao, Horse Flat, Pacifico Mountain, Squaw Canyon and Lady Waterman Peak on the north; and to Santa Anita, San Gabriel, Palmer and other canyons on the south. Trips of two or more days have been enjoyed at Lake Arrowhead, Pinezanita Lodge in the Santa Ana River Canyon of the San Bernardino Mountains, a camping trip to Horse Flat, a spring desert trip over the Pines-to-Palms Highway to Hidden Springs and Borego Valley.

The hiking tempo is a pace leisurely enough to enjoy and learn something about trailside bits of interest. New trails are zestful. The more familiar ones present new features, such as the two avalanches of snow and ice that came down the slopes of Ontario Peak last winter; or are seen under varying light effects; or present some new flower; or an unfamiliar bird-song.

The Yucca Hiking Club maintains its spring custom of raising a new flag of our country on the flagpole on Monrovia Peak, usually in early May, in honor of the memory of the founder of the Yucca Hiking Club and of the earlier Chaparro Club, Rev. Edward Payson Rankin. He began this custom nearly twenty years ago, when the only way to reach the summit was through dense chaparral.

Photography obtains considerable attention and color enthusiasts have secured many fine scenes. These pictures are the incentive for occasional social evening meetings with friends and relatives invited. A selection of these pictures provided a trail-logue program for a recent meeting of the Duarte Chamber of Commerce.

Regular week-to-week hikers have contributed much to their own and each other's happiness and well-being, in spirit, mind and body. They have also introduced many visitors, sojourning in Southern California for a season, to the beauty of detail in our mountains, their peaks, canyons, streams, forests, flowers, rocks, birds, etc., which, to be adequately appreciated, must needs have the greater intimacy of touch that only a foot's-pace trail can give.

The Yucca Hiking Club has members from Glendale, Pasadena and Arcadia, and invites interested persons from other communities to accompany the hiking groups. Cars and hikers

## TRAIL TRIPS

Some of our readers will be disappointed because the familiar Trail Trips are not given. However, the vote from the recent questionnaire submitted to the membership, to whom the Council occasionally turns for guidance, was almost unanimously in favor of printing Trail Trips separately in a comprehensive, authoritative handbook of convenient size, to be sold to members at cost (reduced by advertising), with a reasonable increase to non-members.

## CANYON NOCTURNE

The canyon wakens when the valleys sleep;  
Eery the shadows when moon patterns gleam

Across the clearing where the weasels creep  
Near unsuspecting prey; a leap—a scream—  
Then gaping silence. With a shattering sound  
A pine cone falls against the cabin roof.  
A six point deer returns to salted ground,  
And blows and stomps the grass with nervous hoof.

An aspen snaps and crashes in the brush  
Shaking the earth around the beaver pond,  
Causing for one long breath a quivering hush.  
Above the trail a wildcat screams, beyond  
The lake a pack of coyotes howl. Constant the grind

Of straining branches where the roots are deep

Enough to hold the trees against the wind.

The canyon wakens when the valleys sleep.

—Maude Blixt Trone.

## TRAILS MAGAZINE

### BACK ISSUES FOR COMPLETING SETS

1934 Winter ....\$1.00	1937 Winter ....\$ —*
Spring .... 1.00	Spring .... .15
Summer .. 1.00	Summer .. .25
Autumn .. —*	Autumn .. .15
1935 Winter .... 1.00	1938 Winter .... .25
Spring .... 1.00	Spring .... .15
Summer .. 1.00	Summer .. .15
Autumn .. 1.00	Autumn .. .15
1936 Winter .... 1.00	1939 Spring .... .25
Spring .... .25	
Summer .. .25	
Autumn .. .25	

\* Not on hand temporarily; for the first copy of each received in good condition, a choice of one-year subscription to TRAILS MAGAZINE or 50c cash, is offered.

meet at Foothill Boulevard and Myrtle Ave. in Monrovia, on Thursday mornings at 8:30.

## TELLING TIME FROM THE STARS

E. C. BOWER, *Astronomer Lecturer, Griffith Observatory*

Those who camp in the mountains or the desert know the beauty of the night sky when far removed from city lights. One practical use of a knowledge of the stars is to tell approximate time from a simple observation of Polaris (the North Star) and Kochab, the brightest stars in the Little Dipper (see diagram).

Let Polaris be the center of a dial, a 'line' from Polaris to Kochab be the star hand, a 'line' from Polaris toward the sun be the sun hand, and the position straight down be the zero position from which angles are measured in the direction of the hands' daily motion, counterclockwise in the diagram.

The following paragraphs are numbered to correspond to the steps in the examples below.

(1) Let  $S$  = the angle from the star hand to the sun hand. Because the sun hand moves clockwise nearly  $1^\circ$  daily eastward among the stars, it will coincide with the star hand at some instant during the year, namely, midnight beginning Nov 3, when  $S = 0^\circ$ . On Nov 2 the sun hand will lack  $1^\circ$  of reaching the star hand, that is,  $S = 1^\circ$ . On Oct 3,  $S = 30^\circ$ . Etc. Rule: To find  $S$ , count  $30^\circ$  per month, and  $1^\circ$  per day from the given date to Nov 3.

(2) Let  $K$  = the angle of the star hand. The largest error in a time observation will be in estimating  $K$ , with practise not much exceeding ten minutes in the result.

(3) Let  $T$  = the angle of the sun hand, which daily sweeps thru the zero position at midnight. Hence  $T$  at any instant is the local civil time, in degrees. It is not directly observable when the sun is below the horizon, but is readily found from  $S + K = T$ . If  $T$  exceeds  $360^\circ$ , subtract  $360^\circ$ .

(4) Local civil time is usually expressed in hours and minutes instead of degrees:  $15^\circ = 1^h$ , and  $1^\circ = 4^m$ . Rule: The whole number of times 15 divides into  $T$  gives hours, and 4 times the remainder gives minutes.

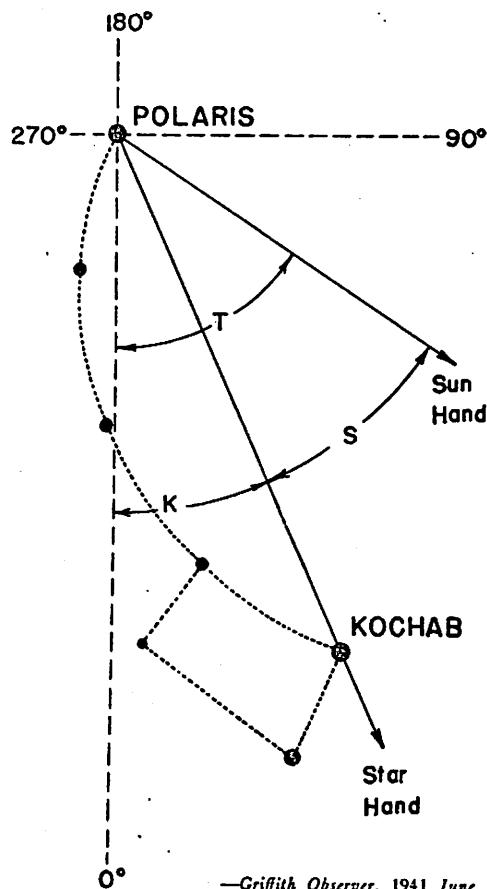
(5) This local civil time is that of the particular place of observation. It differs from standard meridian time by the difference in longitude between the place and the standard meridian. This may be taken from topographs or other suitable maps: +, if the place is west, and -, if the place is east.

(6) The local time at a place west of the standard meridian is earlier than the standard meridian time; if east, the local time is later. Hence at any place, standard time = local civil time + longitude of the place from the standard meridian.

(7) Rule: To express 24-hour time in the usual way, mark the time AM if less than  $12^h$ ; if greater than  $12^h$ , subtract  $12^h$ , and mark the result PM. Many countries have abandoned the cumbersome AM and PM designations by adopting 24-hour time.

## Examples

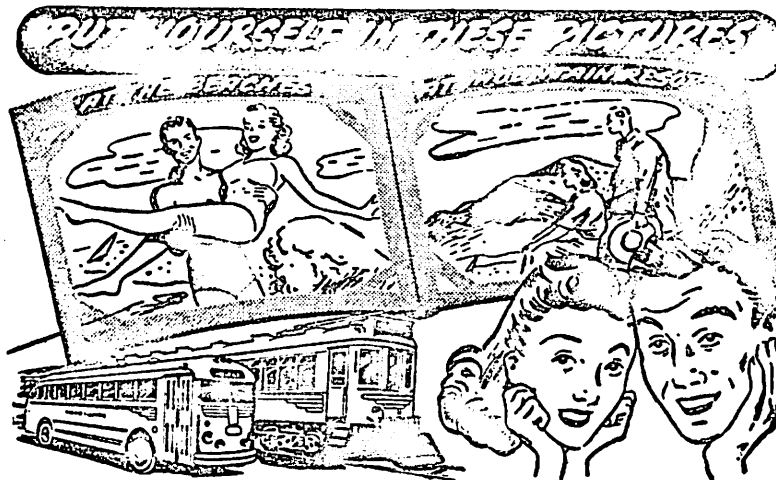
DATE	OCT 1	DEC 10
PLACE	Los Angeles	San Francisco
1. $S$ , from date to Nov 3	$32^\circ$	$323^\circ$
2. $K$ , angle of star hand	$24^\circ$	$356^\circ$
3. $T = S + K$ , local civil time	$56^\circ$	$319^\circ$
4. Local civil time in hrs	$3^h 44^m$	$21^h 16^m$
5. Longitude from stan. mer.	$-7^m$	$+10^m$
6. Standard time	$3^h 37^m$	$21^h 26^m$
7. Standard time	3:37AM	9:26PM



—Griffith Observer, 1941 June

*Little Dipper, and sun and star hands for Los Angeles, Oct 1, 3:37AM*

1. Mountain-eers. 2. White (the man was camping at the North Pole). 3. The third man (fish do not hear).



### START YOUR VACATION VIA PACIFIC ELECTRIC

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